NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8

M. A. R. 57 (Rule 116)

Measurement Book

No. B

191545

Serial No. ...nal Bill

BR-I-22/29 3/14

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... KRIDL

Date of commencement of work..... DO. Recording 2

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Name of Works : Loop cut Asphalting to Road from Jennys Villa to compound Nagar main Road in Ward no. 09 in Vidyaranyapura Sub-Division.						
	Estimated cost = Rs. 30.46 Lakh.						
	DB. no = 009-14-000041,						
	Work order no = BE/Dy.P/BBMP/KRIDL/WO/452/2013-14 Dt. 21/2/14						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Earthwork Excavation by manual means in hard dwd, including an average horizontal throw upto 20mtrs on any lift upto 0.30m, Excavated surface levelled and sides neatly dressed, the disposed earth to levelled neatly after breaking of clods etc complete as per specifications and directions of Engineer-in-charge of work.						
	Qty vide this MB. P 191587 It no (1) = 519.75 y^3 @ 90.72 /-						47151.72
	2) Removing B.d. debris dressed stacking etc complete as per specifications and directions of Engineer-in-charge						

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	
	work.	
	3) Refixing stone slabs of as per specifications and the work.	
	4) Classifying stone metal	

NT BOOK

ensions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		mains hand dug,	
		upto 2mtrs on any	
		levelled and finish	
		to levelled neatly after	
		specifications and directi	
		Qty this MB. P 191587	
		It no (1) = 519.75 y^3 @90.72/-	47151.72
		finishing etc complete as	
		of Engineer-in-charge	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191546

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	work.		Qty this MB. P 191589				
			It no. (2) =			648.00 m^2 @50.11/- m^2	32471.28
3)	Refixing stone slabs of drains and pointing in CM 1:3 etc complete as per specifications and directions of Engineer-in-charge of the work.						
			Qty as per It no. (3)				
			=			648.00 m^2 @70.04/- m^2	45385.92
4)	Consolidating stone metal crust. 50mm to 100mm thick						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	With pride axes along with premix carpet/ surface dressing and stacking of old serviceable materials within a lead of 100 mt. by manual means including cost of all labour charges etc complete as per specifications and directions of Engineer In-charge of work.						
	Qty vide this MB. P. 191590						
	It no. (3) = 2987.5042						27,460.13
	e 7279/-1						
5)	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in						

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	
	uniform layers with paver WM prepared surface and to achieve the desired de and directions of Engineer	
6)	Clearing the existing WBM of binding materials ov	

ENT BOOK

imensions			Contents	Reference to last Measurement
h	Breadth 5	Depth 6	7	8
			carpet / surface dressing	
			tenals with a lead of	
			cost of all labour charges	
			directions of Engineer	
			ide, this MB.P 191590	
			-no. ③ = 2987.5042	27,460.13
			@ 7279/m³	
			mpachy graded stone	
			specification including	
			hanical mix plant	
			per to site, laying in	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of work ..... From ..... To 191547

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	uniform layers with paver in Rubo-base / base course on WBM prepared surface and compacting with vibratory Roller to achieve the desired density etc complete as per specification and directions of Engineer-in-charge of the work.						
	Qty vide, this MB.P 191591						
	#no - ⑤ 498.08 m³ @ 1121.04/m³						558367.60
6/	Clearing the Existing WBM Road surface including removing of binding materials and other foreign matter with water						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	brushes and small picks, sweeping with brooms or soft brush and finally dusting with old gunny bag and or compressed air to receive the bituminous treatment including costs of all materials, labour, hire of machineries, cutting etc complete as per specifications and directions of Engineer in charge						
	a) Jennigerahilly Road from Hindlu main Road to temple (0.00 to 428.50mts)	1				qty as per. It no (9) = 2987.50 m² @ 10.53 /, = 31458.38	
	b) NTI Layout 6th cross						
7)	Providing and applying primer coat with emulsion as prepared						

M.

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	3
	Surface of granular base i and spraying primer at mechanical means / all co directions of Engineer - in - ch	
8)	Providing and laying bituminous 100-120 TPH batch type h	

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8
...with brooms or soft brush...				
...bags and or compressed...				
...ment including cost of...				
...ness, cutting etc complete...				
...s of Engineer in charge				
as per It no (4)			= 2987.504	
			@ 10.53	= 31458.38
...with Emulsion as prepared...				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191548

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Surface of granular base including clearing of Road surface and spraying primer at the rate of of 0.60 kg/sq m using mechanical means etc complete as per specifications and directions of Engineer-in-charge of the work.						
			Qty as per It no. (5) =			2987.504	
						@ 142.07	424434.17
8)	Providing and laying bituminous concrete 40 mm thick with 100-120 TPH batch type hot mix plant producing an average						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	output of 75 t/hr using crushed aggregate of specified grading, premixed with bituminous binder at 5.4 to 5.8% of mix and filler transporting the hot mix to work site, laying with hydraulic paver finisher with sensor control to the required grade, level and alignment, Rolling with smooth wheeled, vibratory and tandem Rollers to achieve the desire compaction as per morth specification Clause no. 500.90, complete in all respects as per specifications, morth specification no. 509, with bituminous Rolling etc complete as per specification and directions of Engineer-in-charge of the work.						
	a) Jemmid village Road						

Serial No. .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	
	a) Ch. 0.0 to 30.00 m	
	30.0 to 60.00 m	
	60.0 to 90.00 m	
	90.0 to 120.0 m	
	120.0 to 150.0 m	
	150.0 to 170.304	
	b) Ch. 0.0 to 30.00 m	
	30.0 to 56.0 m	

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
heal aggregate of specified grading,				
er at 5.4 to 5.6% of mixed and filler				
site, laying with hydraulic paver,				
the required grade, level and				
wheeled, vibratory and tandem				
ompaction as per MORTH specifi				
ete in all respects as per				
s no. 509, With bituminous				
specifications and directions				
r.				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191549

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work	Number 3	Dimensions Length 4	Breadth 5	Depth	Contents 7	Reference to last Measurement 8
	Profile Rectification				Avg		
	a) Ch. 0.0 to 30.00 m	1	30.00	$\frac{5.2+5.2}{2}$	0.04 =	6.24	
	30.0 to 60.00 m	1	30.00	$\frac{5.2+6.2}{2}$	0.04 =	6.84	
	60.0 to 90.00 m	1	30.00	$\frac{6.2+5.0}{2}$	0.04 =	6.72	
	90.0 to 120.0 m	1	30.00	$\frac{5.0+5.0}{2}$	0.04 =	6.00	
	120.0 to 150.0 m	1	30.00	$\frac{5.0+5.8}{2}$	0.04	6.48	
	150.0 to 170.304	1	20.00	$\frac{5.8+7.0}{2}$	0.04	5.28	
	b) Ch. 0.0 to 30.00 m	1	30.00	$\frac{5.9+5.6}{2}$	0.04	6.90	
	30.0 to 56.0 m	1	26.00	$\frac{5.6+5.7}{2}$	0.04	5.88	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Road Work						
	(c) 0.00 to 30.0m	1	30.0m	$\frac{6.3+5.7}{2}$	0.04	= 7.32	
	30.0m to 60.0m	1	30.0m	$\frac{5.7+5.6}{2}$	0.04	= 6.78	
	60.0 to 90.0m	1	30.0m	$\frac{5.6+5.7}{2}$	0.04	= 6.78	
	90.0 to 120.0m	1	30.0m	$\frac{5.7+5.7}{2}$	0.04	= 6.84	
	120.0 to 150.0m	1	30.0m	$\frac{5.7+5.8}{2}$	0.04	= 6.90	
	150.0 to 180.0m	1	30.0m	$\frac{5.8+5.9}{2}$	0.04	= 7.02	
	180.0 to 202.0m	1	22.0m	$\frac{5.9+5.8}{2}$	0.04	= 7.35	
						99.294	
					L+d=	97.50 m²	11,00,279.70
9)	Providing and laying dense bituminous concrete 25mm	@1128.92/-					

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	3
	thick with 100-120 TPH output of 75T/hr using crus premixed with bituminous b filler, transporting to hot m hydrostatic paver finisher grade, level and alignment, vibratory and tandem roller as per morth specifications and reqcents as per specifica	bat

MENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
50.00	$\frac{6.3+5.7}{2}$	0.04 =	7.32	
50.00	$\frac{5.7+5.6}{2}$	0.04 =	6.78	
50.00	$\frac{5.6+5.7}{2}$	0.04 =	6.78	
50.00	$\frac{5.7+5.7}{2}$	0.04 =	6.84	
50.00	$\frac{5.7+5.8}{2}$	0.04 =	6.90	
50.00	$\frac{5.8+5.9}{2}$	0.04 =	7.02	
12.00	$\frac{5.9+10.8}{2}$	0.04 =	7.35	
			99.294	
		Ltd to	97.50	1100279.70
.92/4' bituminous		concrete 25mm		

C&FC

C&FC

50.0(25mm)

M. A. R. 57 (Rule 116)
Measurement Book

No. B 191550

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	thickness with 100-120TPH batch type HMP producing an average output of 75T/hr using crushed aggregates of specified grading premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to worksite, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, Rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per morth specification clause no 500.8 Complete in all respects as per specification. With 80/100 grade bitumen						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ck complete as per specifications and directions of Engineer-in-charge of work.						
					Avg		
	6th CROSS- NTI layout (CO.00hs 119.00mts)	1	30.00	$\frac{5.8+4.5}{2}$	0.025	3.864	
		1	30.00	$\frac{4.5+4.3}{2}$	0.025	3.30	
		1	30.00	$\frac{4.3+4.3}{2}$	0.025	3.23	
		1	29.00	$\frac{4.3+5.8}{2}$	0.025	3.38	
						13.9443	
					L+B	13.75 m	
						9635.44/-	132432.50
10)	Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface, providing and laying of hot applied thermoplastic						

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	
	Compound 2.5 mm beads at 250 gm per of surface from streets and holes and directions Engrs	
10)	Lead for disposal of ... ramsay rates by the	

ENT BOOK

Dimensions			Contents	Reference to last Measurement
th	Breadth 5	Depth 6	7	8
directions of Engineer-				
		Avg		
5.8+4.5/2		0.025	3.864	
4.5+4.3/2		0.025	3.30	
4.3+4.3/2		0.025	3.23	
4.3+5.9/2		0.025	3.38	
			13.9443	
		1446	13.7549	
			9631.44/0	132432.30
plastic compound with				
transparent surface,				
red thermo plastic				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191551

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Compound 2.5 mm thick including reflectorising glass beads at 250 gm per sq. mtr, thickness of 2.5 mm is exclusive of surface irregularities and fins streaks and holes at the complete as per specifications and directions of Engineer-in-charge of work						
	Item not operated					—	—
10)	Lead for disposal of debris shall be payable at carriage rates by mechanical means including loading and						

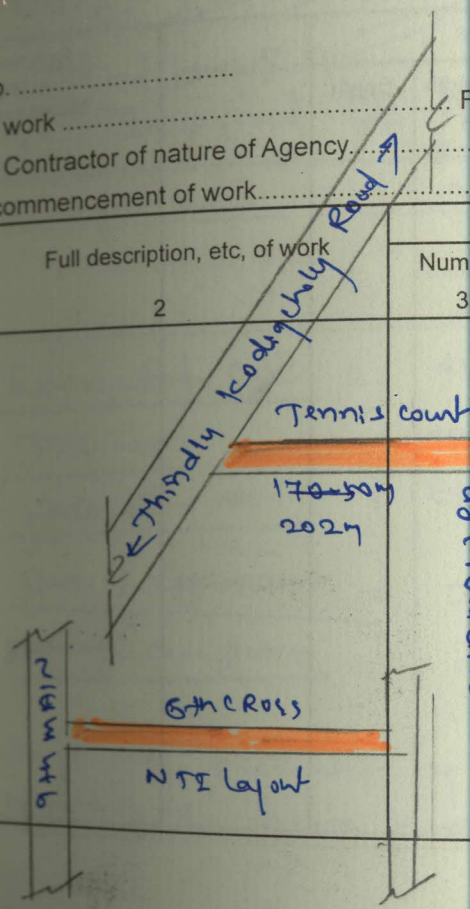
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	unloading etc complete as per specifications and directions of Engineer-in-charge of the work.						
	qty as per I no (1) = 519.75 m³						37791.02
	C72.71/1.3						
						Total R	26,272.32.75
	Add 11%. Applicable taxes and service charges						2,88,995.62
	ICR Ent					Grand Total	29,16,228.57

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore

Serial No. .....
Name of work .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Num
1	2	3



MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಅಲ್ಲು ಪೊಲಿಯಾಗು ರೂ 2916233=00 ಗಳ್ಳಿ ಬಾಡಿ ಪೂರಿಯಿ: ಇವರಲ್ಲಿ ರೂ 473638=00 ಪೊಲಿಯಾಗಿ ಬಾಡಿಯಿಂದ ಉಳಿದ ಪೊಲಿಯಾಗು ರೂ 2483585=00 Finishing work etc						

22/1/16

Serial No. 1st and final Bill

Name of work ... Imp. and ... Asphalt

Name of Contractor of nature of Agency ... K.R.

Date of commencement of work ... D.

Date	Full description, etc, of work	Nu
1	2	
	Estimated cost Rs.	4
	NB. No	0
	Work order. No	G
	Date of Commencem	
1	Date of Completio	
1	Earthwork Excavation in involving an average ho	